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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,111	01/10/2002	Richard Edmond Berry	AUS920010994US1	2389

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EXAMINER
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NGUYEN, CAM LINH T

ART UNIT	PAPER NUMBER
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2161

DATE MAILED: 09/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/045,111

Applicant(s)

BERRY, RICHARD EDMOND

Examiner

CamLinh Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-46 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Amendment***

1. In view of the Appeal Brief filed on 6/13/2005, PROSECUTION IS HEREBY REOPENED. New grounds of rejection are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

- (1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,
- (2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

2. Applicant's amendments to claims 1 – 46 are acknowledged. Consequently, claims 1 – 46 are currently pending.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1 – 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Glass et al (U.S. 6,253,204 B1) in view of Steel et al (U.S. 2003/0191737 A1).

♦ As per claims 1, 8, 13, 20 – 22, 24, 31, 36, 43 – 45,

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Class et al discloses a method in a data processing system for pruning search engine indices, comprising:

- “Receiving a notification by a search engine from a client browser that a Web page retrieval error occurred for a Web page or that the Web page no longer contains selected keywords” See Fig. 2 – 3, col. 5, lines 35 – 40, col. 8, lines 61 - 65.

In particular,

- Client browser: Glass teaches an old server-client system (see Fig. 2, col. 4, lines 23 – 37). A user requests a document such as “document 1” from the Web. The user must use a browser to retrieve document from the WWW. The browser is inherent in Glass reference. Even if the browser is not inherent, the Examiner provides an evident that it is well known in the art, the user must use a browser to view document from the Web (see Steel et al, Fig. 8, paragraph 0125). In the interest of prosecution, it would have been obvious to one with ordinary skill in the art at the time the invention was made to use a browser as taught by Steel into the invention of Glass because the teaching would provide good presentation or viewing a document using a browser.
- Keywords: The request that contains “document 1” is inputted to the browser. Therefore, “document1” corresponds to a keyword. After that “document 2” is also another keyword, when the user tries to retrieve it. The user is notified if the file is not found, and the browser automatically generates a message to send to the server (fig. 3, step 340). It is well known

in the art that the query contains search terms where the search term is equivalent to the keywords. An evident is submitted by Steel et al (See Fig. 15A, paragraph 0151, of Steel).

- Search Engine: Glass also teaches that a spider can be utilized (see the abstract, col. 7, lines 59 – col. 8, lines 2). A spider can be located in the server (col. 8, lines 55 – 65). By definition of Microsoft Computer dictionary, Fifth Edition, the term “spider” is an automated program that searches the Internet for documents and indexes their addresses and content related information in a database and also called search engine or crawler. Therefore, this spider is considered equivalent with the “search engine” in the instant application. Since it is a program, the spider can be located in the server side of the system or client side or in the middle such as central system to search for information in the network. Therefore, as discussed above, the user send a message to the server and the spider receives it. A client reports the broken link to the server in which a spider located (as discussed above) (see col. 7, lines 15 – 16, 57 - 59).

Glass teaches that the server will modify the broken link in order to restore the link or delete a record after a period of time (see col. 8, lines 43 – 48).

Glass does not clearly teach that the system will “automatically deleting the Web page from the search engine indices in response to receiving the notification”. However, Steel discloses a retrieving information system that allows a user view a website. Steel discloses a search engine that search the central index (paragraph 0073). In addition, plurality of remote

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servers also disclose, where each server contains an index (See Fig. 5, of Steel). The Steel system has a capability of deleting the URL in their index if an error occurs in the central server or the sub server (paragraph 0082, 0094, and 0113 of Steel).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to modify the system of Glass by apply the teaching of Steel for deleting the web page from a search engine index because the combination would keep the record up-to-date, and reduce the time/cost searching for other user in later time.

◆ As per claims 2, 9, 25, 32, Glass and Steel disclose:

- “ The step of automatically deleting is initiated if the notification results in a minimum number of notifications being received for the Web page” See Fig. 10, col. 6, lines 62 – col. 7, lines 4, Fig. 12A – B, col. 7, lines 13 - 48 of Glass.

◆ As per claims 3, 10, 26, 33, 37, Glass and Steel disclose:

- “ Receiving a search request from the client browser, wherein the search request contains the selected keywords” See Fig. 2, element 200, col.4, lines 25 – 35, Glass, and see Fig. 15A, paragraph 0151, of Steel.
- “ Searching the search engine indices for matches to the selected keywords to form a search” See Fig. 2, element 210 – 20, Glass, and see Fig. 15A, element 1506, paragraph 0151, of Steel.
- “ Sending a result of the search to the client browser” See Fig. 2, element 240, Glass.

◆ As per claims 4, 27, Glass and Steel disclose:

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- “ The search result includes an indication that the data processing system includes a search engine to cause the client browser to send the notification to the data processing system” See Fig. 2, element 260, Fig. 3, Glass.

◆ As per claims 5, 28, Glass and Steel disclose:

- “ The search request includes other keywords in addition to the selected keywords” See Fig. 2 of Glass. The request that includes document 1 is an example of keywords. The document 1, may contains hypertext that identifies another document. This hypertext is also considered as another keyword that included in the search request.

◆ As per claims 6, 11, 14, 29, 34, Glass and Steel disclose:

- “ The retrieval error indicates that the Web page is absent” See col. 4, lines 40 – 55, Glass.

◆ As per claims 7, 12, 15, 30, 35, 38, Glass and Steel disclose:

- “ The method is located in one of a search engine or a Web portal” See Fig. 1D, Glass.

◆ As per claims 16, 23, 39, 46, Glass and Steel disclose:

The combination of Glass and Nielsen disclose the limitation of determining an error in retrieving the web page, and removing the web page in response to the error. In addition, Steel also discloses a method for maintain a bookmark in the user system (See paragraph 0125 of Steel)

◆ As per claims 17 - 19, 40 – 42,

Claims 17 – 19, 40 – 42, are rejected based on the rejection of claims 2 and 9.

***Response to Arguments***

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5. Applicant's arguments with respect to claims 1 - 46 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Mark Gross (US006192375B1) discloses a method and apparatus for managing files in a storage medium.
- Michael Davis-Hall (US006601066B1) discloses a method and system for verifying hyperlinks.
- Harry Tarnoff (US 20020169865A1) discloses a system for enhancing communication of content over a network.
- Douglas Hayden (US 20030084095A1) discloses a method to preserve web page links using registration and notification.
- Dean et al (US006321220B1) discloses a method and apparatus for preventing topic drift in queries in hyperlinked environments.
- Bharat et al (US006112203A ) discloses a method for ranking documents in a hyperlinked environment using connectivity and selective content analysis.
- Douglas Keith (US006629097B1) discloses a displaying implicit associations among items in loosely-structured data set.
- Christophe Vaucher (US 20040059732A1) discloses a method for searching for selecting and mapping web pages.



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- Barth et al (US 20050010567A1) discloses a method and apparatus for dynamic information connection search engine.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CamLinh Nguyen whose telephone number is (571) 272-4024.

The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (571) 272-4023. The fax phone number for the organization where this application or proceeding is assigned is 571 - 273 - 8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LN



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